

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-3. (Canceled)

4. (Currently Amended) An isolated polynucleotide comprising a sequence set forth in SEQ ID NO: 313. ~~encoding at least 15 contiguous amino acid residues of a prostate-specific protein, or a variant thereof that differs in one or more substitutions, deletions, additions and/or insertions such that the ability of the variant to react with antigen-specific antisera is not substantially diminished, wherein the protein comprises an amino acid sequence that is encoded by a polynucleotide comprising a sequence recited in any one of SEQ ID NO: 2, 3, 8-29, 41-45, 47-52, 54-65, 70, 73-74, 79, 81, 87, 90, 92, 93, 97, 103, 104, 107, 109-111, 115-160, 171, 173-175, 177, 181, 188, 191, 193, 194, 198, 203, 204, 207, 209, 220, 222-225, 227-305, 307-315, 326, 328, 330, 332, 334, 350-365, 381, 382, 384, 386, 389, 390, 392, 393, 396, 401, 402, 407, 408, 410, 413, 415-419, 422, 426, 427, 432, 434, 435, 442-444, 446, 450, 452, 453, 459-461, 468-471, 472-476, 524, 526, 530, 531, 533, 535 and 536, or a complement of any of the foregoing sequences.~~

5-7. (Canceled)

8. (Currently Amended) An isolated polynucleotide complementary to a polynucleotide according to ~~any one of claims 4-7~~claim 4.

9. (Currently Amended) An expression vector comprising a polynucleotide according to ~~any one of claims 4-8~~claim 4.

10. (Original) A host cell transformed or transfected with an expression vector according to claim 9.

11-18. (Canceled)

19. (Currently Amended) A pharmaceutical composition comprising a physiologically acceptable carrier and a polynucleotide according to claim 4, ~~at least one component selected from the group consisting of:~~

- ~~(a) a polypeptide according to claim 1;~~
- ~~(b) a polynucleotide according to claim 4;~~
- ~~(c) an antibody according to any one of claims 11-13;~~
- ~~(d) a fusion protein according to claim 14; and~~
- ~~(e) a polynucleotide according to claim 18.~~

20-61. (Canceled)

62. (Currently Amended) A diagnostic kit, comprising a polynucleotide according to claim 4 and :

- ~~(a) — an oligonucleotide according to claim 61; and~~
- ~~(b) — a diagnostic reagent for use in a polymerase chain reaction or hybridization assay.~~

63. (Original) A host cell according to claim 10, wherein the cell is selected from the group consisting of: *E. coli*, baculovirus and mammalian cells.

64. (Original) A recombinant protein produced by a host cell according to claim 10.

65-69. (Canceled)